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**PATENT**  
Atty. Docket No. MIT-103  
(5473/111)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANTS:** Kawasaki et al.

**SERIAL NUMBER:** 09/422,999

**GROUP NUMBER:** 1646

**FILING DATE:** 10/22/99

**EXAMINER:** Murphy, J.

**TITLE:** GENES INTEGRATING SIGNAL TRANSDUCTION  
PATHWAYS

Commissioner for Patents  
Washington, D.C. 20231

**RECEIVED**  
SEP 27 2002  
TECH CENTER 1600/2900

**AMENDMENT AND RESPONSE**

Sir:

This paper is responsive to the Office action mailed on April 23, 2002, in the above-identified patent application. A petition for a two-month extension of time to respond to the Office action, along with the required fee, is submitted herewith. For the reasons discussed below, Applicants respectfully request reconsideration and withdrawal of the rejections made in the Office action.

**Amendments**

Please amend the application as follows:

**In the Claims:**

✓ Please cancel claims 2, 4-7, 9, 11, 38, 39, and 48-49 without prejudice. Please amend claims 45, 50 and 62 as follows: